

CONTRACT CHANGE ORDER MEMORANDUM

TO: Tony Anziano, Program Manager /		FILE: E.A. 04 - 0120F4	
FROM: Darryl Schram, Senior TE		CO-RTE-PM SF-80-13.2/13.9	
CCO#: 270		FED. NO. No	
SUPPLEMENT#: 0	Category Code: CBPC	CONTINGENCY BALANCE (incl. this change) \$25,510,582.86	
COST: \$102,442.00 INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>		HEADQUARTERS APPROVAL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: LED Fixture Details Belvedere/Tower Base		PROJECT DESCRIPTION: CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE	
Original Contract Time: 2490 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 630 Day(s)	Percentage Time Adjusted: (including this change) 25 %
			Total # of Unreconciled Deferred Time CCO(s): (including this change) 2

THIS CHANGE ORDER PROVIDES FOR:

Furnishing and installing LED driver boxes for belvedere light poles (Main Span Safety Light Belvedere Light (MSV)), LED driver boxes and non-fusible disconnect switches for Tower base (Main Span Aesthetic Light Upward Flood Light (MAU)/Main Span Aesthetic Light Roadway Light (MAR)) fixtures, and additional light fixtures at the Tower base. Repair paint on the belvedere light poles damaged during the installation of LED driver boxes.

Contract Change Order (CCO) 167 "Replace Metal Halide Lights with LEDs" changed Main Span Aesthetic Light Downward Flood Light (MAD), Main Span Aesthetic Light Marker Light (MAM), Main Span Aesthetic Light Pylon Marker Light (MAP), MAR, Main Span Aesthetic Light Pylon Flood Light (MAT), MAU, Main Span Safety Light Roadway Light (MSR), and MSV fixtures to LED. CCO 72 S1 "Additional Cable Electrical" changed aviation fixtures to LED and made other electrical changes to support LED for aviation, MAD, MAP, and MSR fixtures. CCO 61 "Electrical Warning Systems" changed navigation fixtures to LEDs and modified conductors and electrical enclosures to support LED. CCO 141 "Sign Structure" changed the overhead sign structure fixtures to LED and added driver boxes to support LED. CCO 252 "Roadway Level LED Fixtures Details" added driver boxes to support LED for MAT and MAU fixtures that were changed to LED in CCO 167.

This change order will add LED driver boxes and non-fusible disconnect switches to support the additional power supply needed for the belvedere light pole and Tower base fixtures that were changed to LED in CCO 167. Additional Tower base lights will also be installed to eliminate shadows at the Tower base.

The total cost of this change order is \$102,442.00 lump sum, which can be financed from the contingency fund. A detailed cost analysis is on file.

No time adjustment is warranted as this change order does not affect the controlling operation.

This change order has concurrence from William Casey (Supervising TE), Rich Foley (HQ Oversight), Lina Ellis (Maintenance), and Jing Chen (District Design).

CONCURRED BY:			ESTIMATE OF COST	
Construction Engineer: William Casey, Sup TE	Date	5/23/13	THIS REQUEST	
Bridge Engineer:	Date		TOTAL TO DATE	
Project Engineer: District Design, Jing Chen	Date	8/14/13	ITEMS	\$0.00
Project Manager:	Date		FORCE ACCOUNT	\$0.00
FHWA Rep.:	Date		AGREED PRICE	\$102,442.00
Environmental:	Date		ADJUSTMENT	\$0.00
Other (specify): HQ, Rich Foley	Date	5/28/13	TOTAL	\$102,442.00
Other (specify): Struct. Maint, Lina Ellis	Date	8/5/13	FEDERAL PARTICIPATION	
District Prior Approval By: HQ, Larry Salhaney	Date	8/14/13	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
HQ (Issue Approve) By:	Date		FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)	
Resident Engineer's Signature:	Date		<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS FEDERAL FUNDING SOURCE PERCENT	